

WAC 296-307-63635 Make sure audiometric testing equipment meets these requirements.

You must:

- Use pure tone, air conduction, hearing threshold examinations, with test frequencies including as a minimum 500, 1000, 2000, 3000, 4000, and 6000 Hz
 - Tests at each frequency must be taken separately for each ear
 - Supra-aural headphones must be used.
- Conduct audiometric tests with audiometers (including micro-processor audiometers) that meet the specifications of, and are maintained and used according to, American National Standard Specification for Audiometers, S3.6-1996
 - Check the functional operation of the audiometer each day before use by doing all of the following:
 - Make sure the audiometer's output is free from distorted or unwanted sound
 - Test either a person with known, stable hearing thresholds or a bio-acoustic simulator
 - Perform acoustic calibration for deviations of 10 dB or greater.
 - Audiometer calibration must be checked acoustically at least annually to verify continued conformance with ANSI S3.6-1996. Test frequencies below 500 Hz and above 6000 Hz may be omitted from this check
 - An exhaustive calibration must be performed at least every two years according to the American National Standard Specification for Audiometers, S3.6-1996. Test frequencies below 500 Hz and above 6000 Hz may be omitted from the calibration
 - Provide audiometric test rooms that meet the requirements of ANSI S3.1-1999 American National Standard Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms using the following table of Maximum Ambient Sound Pressure Levels:

**Table 4
Maximum Ambient Sound Pressure Levels**

Frequency (Hz)	500	1000	2000	4000	8000
Sound Pressure Level (dB)	40	40	47	57	62

Note: The American Industrial Hygiene Association and National Hearing Conservation Association recommend conducting audiograms using the requirements of ANSI S3.1-1999 American National Standard Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms with adjustments at only 500 Hz and below.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 05-01-166, § 296-307-63635, filed 12/21/04, effective 4/2/05.]